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### realme realme 16

# realme 16 5G Smartphone User Manual

Model: realme 16

## Introduction

This manual provides essential information for using your new realme 16 5G Smartphone. Please read it carefully to ensure proper operation and to maximize the device's features. Keep this manual for future reference.

## Package Contents

Verify that all items are present in your product package:

- realme 16 5G Smartphone
- USB Cable
- SIM Tray Ejector
- Quick Start Guide
- Phone Case

## Device Overview

The realme 16 5G Smartphone is designed with advanced features for an enhanced mobile experience. Key components and features include:




**Image:** The realme 16 5G Smartphone features 8GB of Dynamic RAM and 256GB of internal storage for efficient multitasking and ample space for applications and media.

## Key Features:

- **Powerful Performance:** Equipped with the MediaTek Dimensity 6400 Turbo 5G Chipset, ensuring smooth operation and 5G connectivity.
- **Vibrant Display:** Features a 6.57-inch 120Hz AMOLED display for fluid visuals and responsive touch.
- **Advanced Camera System:** Dual 50MP AI Camera system (front and rear) for capturing detailed photos.
- **Long-lasting Battery:** A 7000mAh battery supports extended usage, complemented by 60W fast charging.
- **Durability:** IP69 water and dust resistance provides protection against environmental elements.




**Image:** The MediaTek Dimensity 6400 Turbo 5G Chipset, built on a 6nm process with an 8-core architecture, enhances GPU performance by 50% and power efficiency by 11%.




**Image:** The 120Hz Ultra Bright Display offers 4200 nits peak brightness, 1.07 billion colors, and 2160Hz PWM Dimming for a superior visual experience.

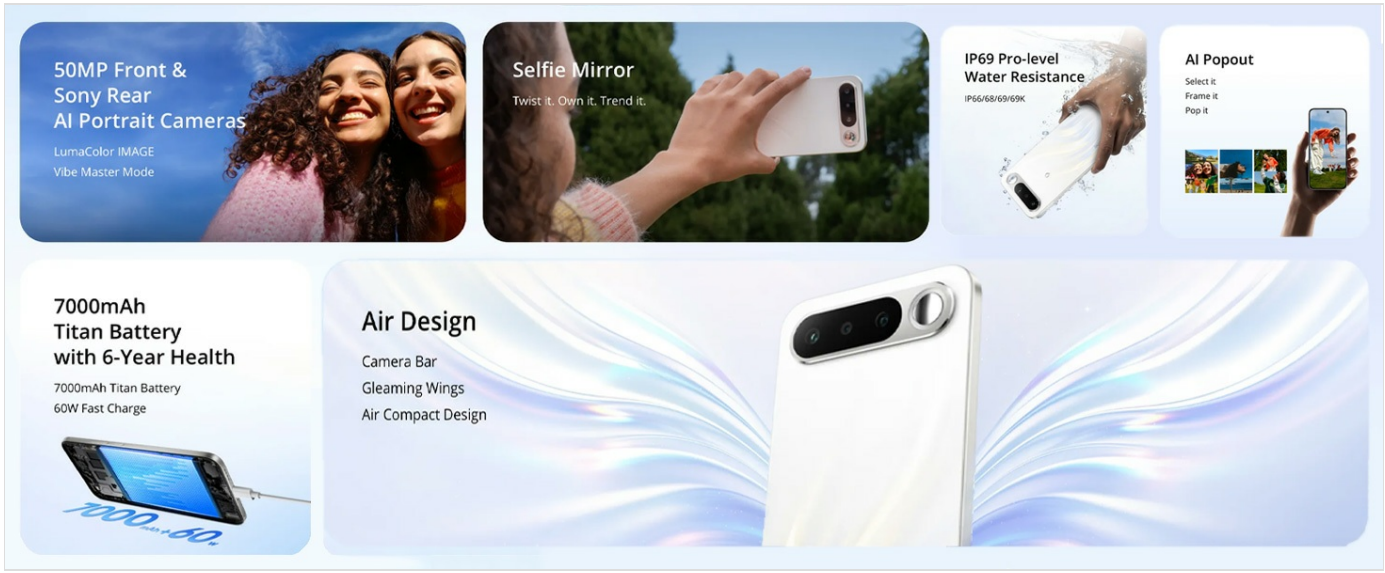



**Image:** The realme 16 5G features dual 50MP AI portrait cameras, with both front and rear sensors optimized for high-quality portrait photography.




**Image:** The 7000mAh battery with 60W fast charging provides extended usage times, supporting up to 19.8 hours of Instagram, 18.8 hours of YouTube, 53.6 hours of calls, or 16.9 hours of gaming.

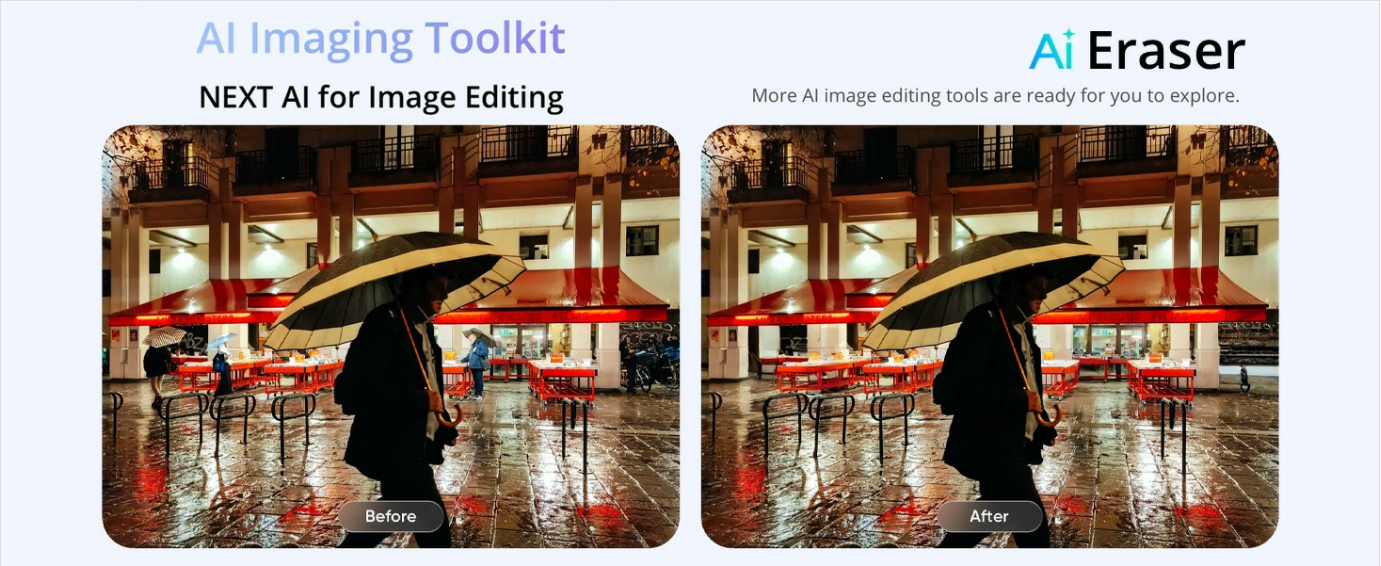



**Image:** The realme 16 5G offers IP69 Pro-Level Water Resistance, providing enhanced durability against water and dust ingress.

# Setup

## 1. Inserting the SIM Card

1. Locate the SIM card tray on the side of your device.
2. Insert the SIM tray ejector tool into the small hole next to the tray and press firmly until the tray pops out.
3. Place your Nano-SIM card(s) and/or microSD card into the tray with the gold contacts facing down. Ensure they are correctly seated.
4. Carefully reinsert the tray into the phone until it clicks into place.

## 2. Powering On and Initial Setup

1. Press and hold the Power button until the realme logo appears.
2. Follow the on-screen prompts to select your language, region, and connect to a Wi-Fi network.
3. Sign in with your Google account or create a new one.
4. Set up screen lock methods such as PIN, pattern, fingerprint, or face unlock.
5. Complete the remaining setup steps to personalize your device.

# Operating Your Device

## Basic Navigation

- **Power Button:** Press to turn the screen on/off. Press and hold to power off or restart.
- **Volume Buttons:** Adjust media volume, call volume, or notification volume.
- **Touch Gestures:** Swipe up from the bottom for home, swipe up and hold for recent apps, swipe from the left/right edge to go back.

## Making Calls and Sending Messages

- Open the **Phone** app to dial numbers or select contacts.
- Open the **Messages** app to send and receive SMS/MMS.

## Using the Camera

The realme 16 5G features a 50MP AI camera system. Open the**Camera** app to access various modes:

- **Photo:** Standard mode for still images.
- **Portrait:** Utilizes AI for enhanced depth effects.
- **Video:** Record high-quality videos.
- **Pro Mode:** Manual controls for advanced photography.

### Charging the Device

Connect the provided USB Type-C cable to the charging port on your phone and the other end to the 60W fast charger. Ensure you use the original charger and cable for optimal charging speed and safety.

## Maintenance

### Cleaning Your Device

- Use a soft, lint-free cloth to wipe the screen and back panel.
- Avoid using harsh chemicals or abrasive materials.
- For stubborn smudges, lightly dampen the cloth with water or a screen cleaner.

### Software Updates

Regularly check for and install software updates to ensure your device has the latest features, security patches, and performance improvements. Go to **Settings > About phone > Software update**

### Battery Care

- Avoid extreme temperatures, as they can degrade battery life.
- Do not let the battery completely drain frequently.
- Use the original charger and cable.

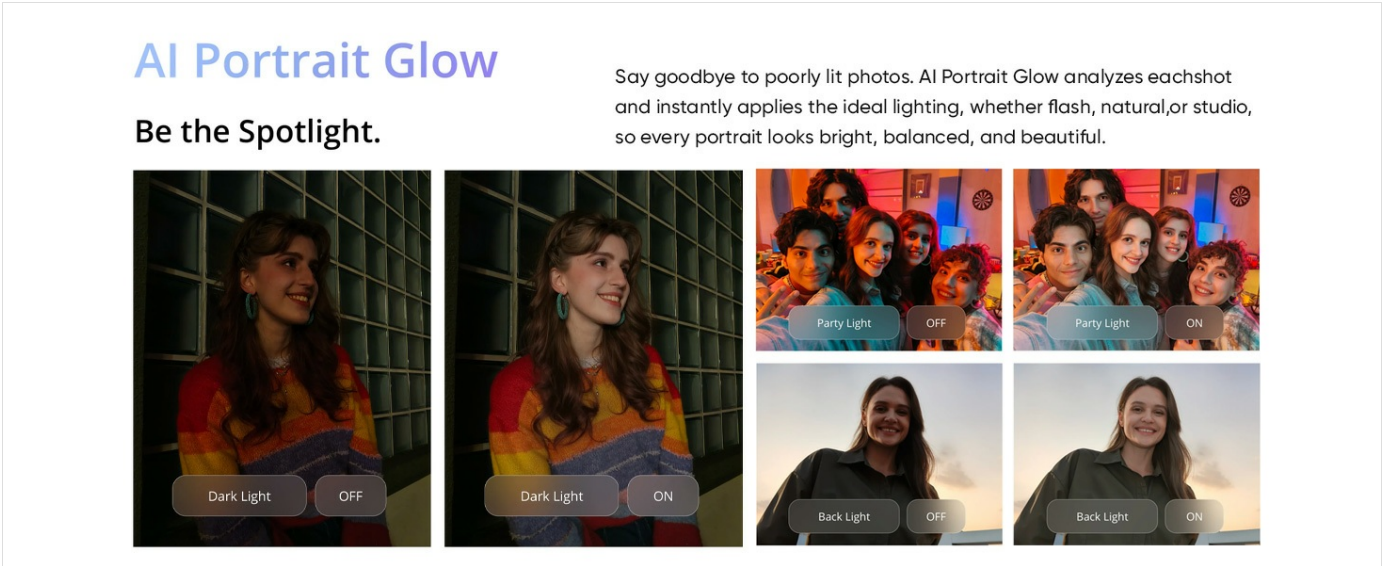



**Image:** The realme 16 5G incorporates a Star-Grade Cooling system with 6050 mm² Airflow VC to maintain optimal temperature during intensive use, ensuring smooth performance.

## Troubleshooting

### Common Issues and Solutions:

| Issue | Solution |
|---|---|
| Device not powering on | Ensure the battery is charged. Press and hold the Power button for at least 10 seconds. |
| Apps crashing or freezing | Clear the app's cache (Settings > Apps > [App Name] > Storage > Clear cache). Restart the device. |
| Poor network signal | Check SIM card insertion. Restart the device. Try resetting network settings (Settings > System > Reset options > Reset Wi-Fi, mobile & Bluetooth). |
| Battery draining quickly | Reduce screen brightness, close background apps, disable unnecessary features like GPS or Bluetooth when not in use. Check battery usage in Settings to identify power-hungry apps. |

### Factory Reset (Last Resort)

If persistent issues occur, a factory reset may be necessary. This will erase all data on your phone. Back up important data before proceeding. Go to **Settings > System > Reset options > Erase all data (factory reset)**

## Specifications

| Feature | Detail |
|---|---|
| Brand | realme |
| Model | realme 16 |
| Operating System | Android 16 |
| RAM Memory | 8 GB |
| Storage Capacity | 128 GB |
| Display Refresh Rate | 120 Hz |
| Colour | Air White |
| Connector Type | USB Type C |
| Cellular Technology | 5G |
| Rear Camera Resolution | 50 MP |
| Battery Capacity | 7000 mAh |
| Item Weight | 183 Grams |
| Item Dimensions (L x W x H) | 15.8 x 7.5 x 0.8 Centimeters |
| Water & Dust Resistance | IP69 |

## Warranty and Support

Your realme 16 5G Smartphone comes with a**1 Year Manufacturer Warranty** from the date of purchase.

For technical support, service, or warranty claims, please contact realme customer service or visit their official website. The manufacturer is DBG TECHNOLOGY (INDIA) PRIVATE LIMITED.

**Manufacturer Contact Information:**

DBG TECHNOLOGY (INDIA) PRIVATE LIMITED

PLOT NO 10, SECTOR-5, HSIIDC INDUSTRIAL MODEL TOWNSHIP, BAWAL,REWARI, HARYANA - 123501

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**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question



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